



### City of Galax

#### Water Source Overview

The major source of water is Chestnut Creek.

**\*Table 1:** Reported (2010) and projected (2040) water use by system type for Galax in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Small Self-Supplied Users (under 300,000 gal/month)	0.010	0.010
Community Water System	1.840	1.840

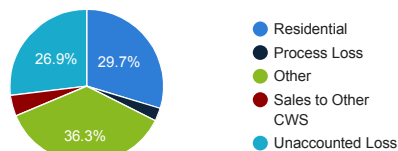
#### Water Use by System Type

There are approximately 137 reported users of private groundwater wells for residential water supply. All tables and graphs represent reported water use including Sales to other localities, if applicable.

**\*Figure 1:** Percentage of reported water use by system type in 2010 (No use data shown on graph if less than .01 MGD: Refer to Table 1)



**\*Figure 2:** Disaggregated water use percentages for Community Water Systems in 2010 (No graph shown if no disaggregated use data reported)



**\*Table 2:** Reported (2010) and projected (2040) groundwater and surface water use for Galax in MGD

Reported 2010 Groundwater Use (MGD)	Reported 2010 Surface Water Use (MGD)	Projected 2040 Groundwater Use (MGD)	Projected 2040 Surface Water Use (MGD)
0.01	1.84	0.01	1.84

**\*Figure 3:** Galax highlighted in the Commonwealth of Virginia



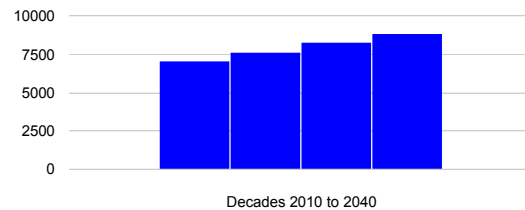
#### Projected Water Demand

Population is projected to increase through the planning period. Demand is not expected to increase. Existing water sources are expected to meet projected demands.

**\*Table 3:** Galax population projections by decade from 2010 to 2040 (data gathered from VEC projections - 05/20/13)

2010	2020	2030	2040	% Change (2010-2040)
7,042	7,632	8,261	8,854	14.3%

**\*Figure 4:** Galax population projections by decade for 2010, 2020, 2030 & 2040



**\*Table 4 & Figure 5:** Galax water demand trends by decade for 2010, 2020, 2030 & 2040 in MGD

Reported Use 2010 MGD	Projected Use 2020 MGD	Projected Use 2030 MGD	Projected Use 2040 MGD	Percent Change (2010-2040)
1.85	1.85	1.85	1.85	-0.0%



#### Drought Management Practices

The City adopted an ordinance for the implementation and enforcement of the regional Drought Response and Contingency Plan. (Southwest Virginia Regional WSP)